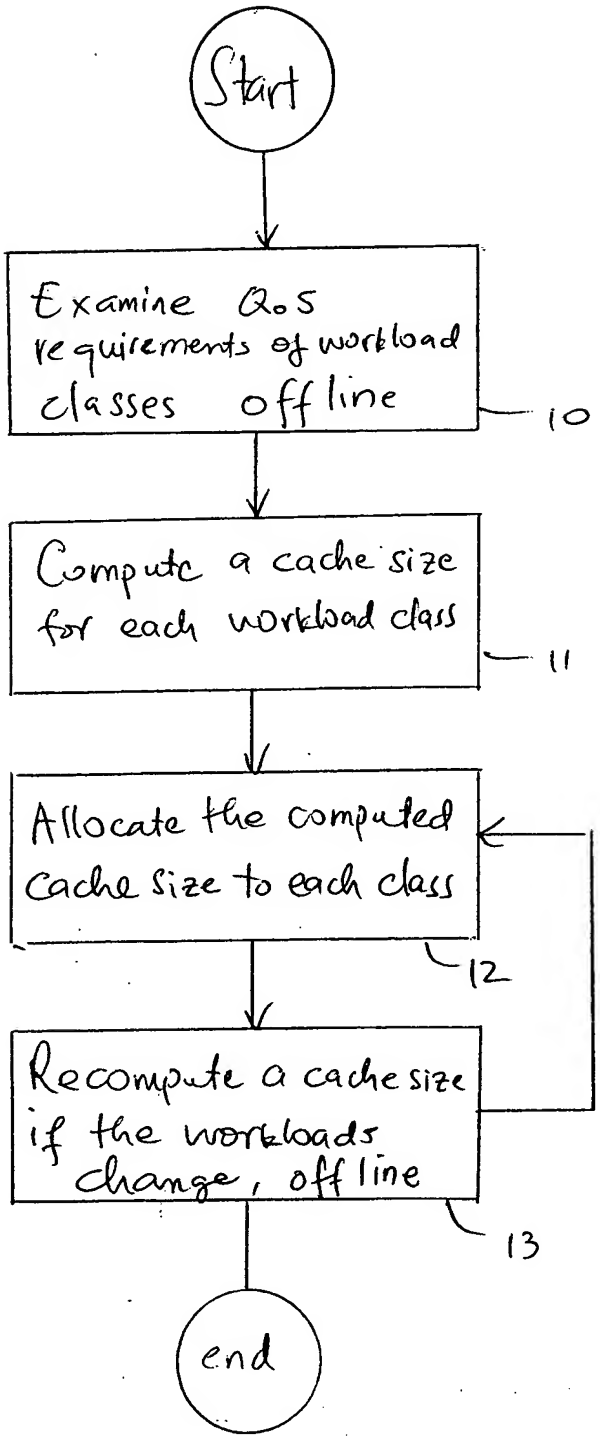
FIGURE 1
(Prior art)



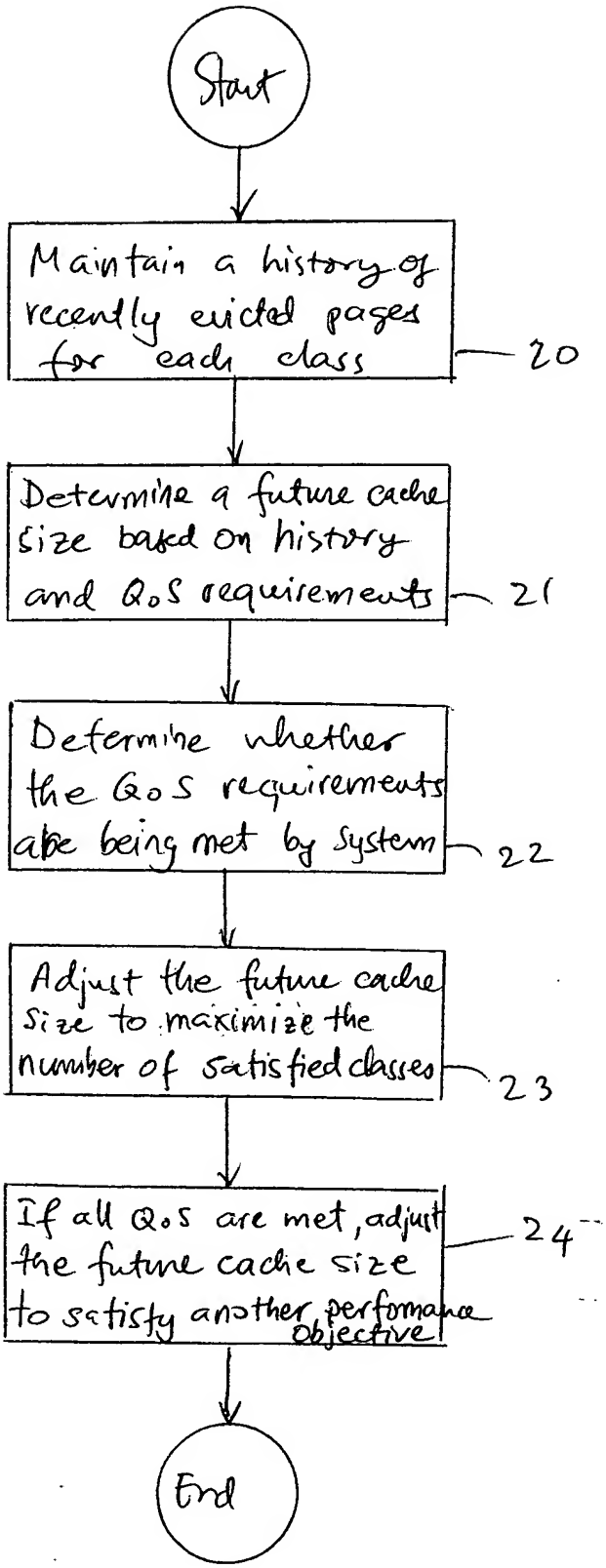
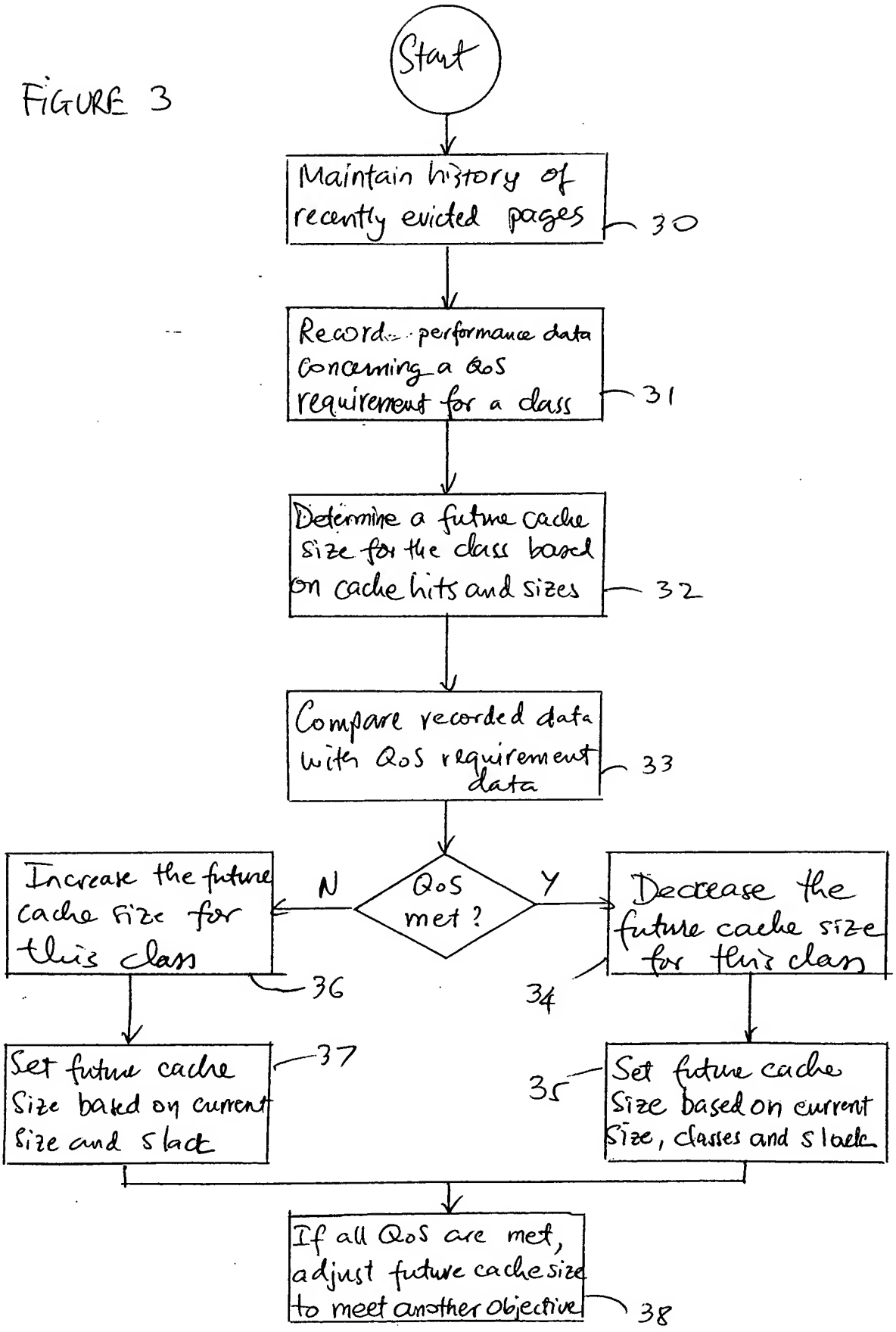

Start
Maintain a history of recently evicted pages for each class
20
Determine a future cache size based on history and QoS requirements
21
Determine whether the QoS requirements are being met by system
22
Adjust the future cache size to maximize the number of satisfied classes
23
If all QoS are met, adjust the future cache size to satisfy another performance objective
24
End

FIGURE 2

FIGURE 3


Start
Maintain history of recently evicted pages
30
Record performance data concerning a QoS requirement for a class
31
Determine a future cache size for the class based on cache hits and sizes
32
Compare recorded data with QoS requirement data
33
QoS met?
N
Y
Increase the future cache size for this class
36
Decrease the future cache size for this class
34
Set future cache size based on current size and slack
37
35
Set future cache size based on current size, classes and slack
If all QoS are met, adjust future cache size to meet another objective
38